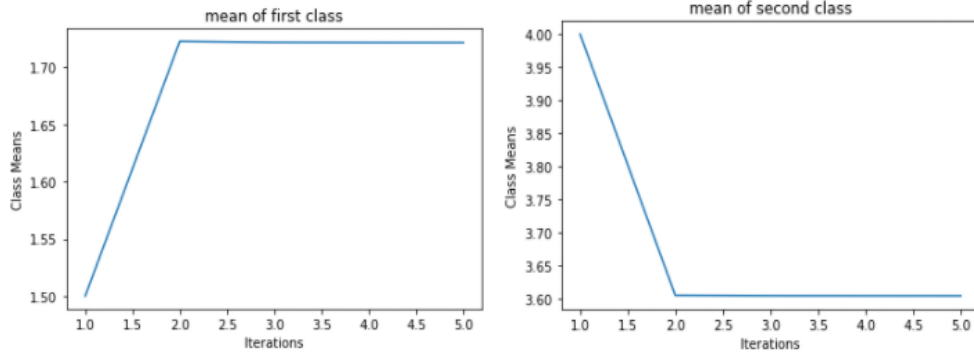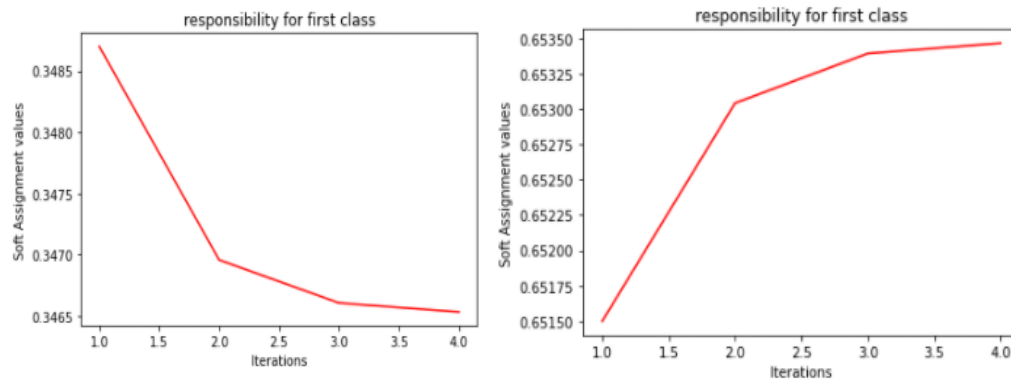(e) Here are the plots for u_1 and u_2 vs. t :

And the two responsibilities vs. t:

The final values are:

μ_1=1.7215193735244518

μ_2=3.6047906784217294

γ_{h1}=0.34653536226845366

γ_{h2}= 0.6534646377315464